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PCT09

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/889,722

DATE: 08/01/2001  
 TIME: 18:17:05

Input Set : A:\sequence listing.txt  
 Output Set: N:\CRF3\08012001\I889722.raw

ENTERED

4 <110> APPLICANT: Japan Science and Technology Corporation  
 6 <120> TITLE OF INVENTION: Human nucleoprotein having a WW domain and  
 7 a polynucleotide encoding the protein  
 9 <130> FILE REFERENCE: 00-F-061PCT  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/889,722  
 C--> 12 <141> CURRENT FILING DATE: 2001-07-20  
 14 <150> PRIOR APPLICATION NUMBER: JP11-332572  
 15 <151> PRIOR FILING DATE: 1999-11-24  
 17 <160> NUMBER OF SEQ ID NOS: 7  
 19 <170> SOFTWARE: PatentIn Ver. 2.0  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 704  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Homo sapiens  
 26 <400> SEQUENCE: 1  
 27 Met Ala Asn Glu Asn His Gly Ser Pro Arg Glu Glu Ala Ser Leu Leu  
 28 1 5 10 15  
 29 Ser His Ser Pro Gly Thr Ser Asn Gln Ser Gln Pro Cys Ser Pro Lys  
 30 20 25 30  
 31 Pro Ile Arg Leu Val Gln Asp Leu Pro Glu Glu Leu Val His Ala Gly  
 32 35 40 45  
 33 Trp Glu Lys Cys Trp Ser Arg Arg Glu Asn Arg Pro Tyr Tyr Phe Asn  
 34 50 55 60  
 35 Arg Phe Thr Asn Gln Ser Leu Trp Glu Met Pro Val Leu Gly Gln His  
 36 65 70 75 80  
 37 Asp Val Ile Ser Asp Pro Leu Gly Leu Asn Ala Thr Pro Leu Pro Gln  
 38 85 90 95  
 39 Asp Ser Ser Leu Val Glu Thr Pro Pro Ala Glu Asn Lys Pro Arg Lys  
 40 100 105 110  
 41 Arg Gln Leu Ser Glu Glu Gln Pro Ser Gly Asn Gly Val Lys Lys Pro  
 42 115 120 125  
 43 Lys Ile Glu Ile Pro Val Thr Pro Thr Gly Gln Ser Val Pro Ser Ser  
 44 130 135 140  
 45 Pro Ser Ile Pro Gly Thr Pro Thr Leu Lys Met Trp Gly Thr Ser Pro  
 46 145 150 155 160  
 47 Glu Asp Lys Gln Gln Ala Ala Leu Leu Arg Pro Thr Glu Val Tyr Trp  
 48 165 170 175  
 49 Asp Leu Asp Ile Gln Thr Asn Ala Val Ile Lys His Arg Gly Pro Ser  
 50 180 185 190  
 51 Glu Val Leu Pro Pro His Pro Glu Val Glu Leu Leu Arg Ser Gln Leu  
 52 195 200 205  
 53 Ile Leu Lys Leu Arg Gln His Tyr Arg Glu Leu Cys Gln Gln Arg Glu  
 54 210 215 220  
 55 Gly Ile Glu Pro Pro Arg Glu Ser Phe Asn Arg Trp Met Leu Glu Arg  
 56 225 230 235 240  
 57 Lys Val Val Asp Lys Gly Ser Asp Pro Leu Leu Pro Ser Asn Cys Glu  
 58 245 250 255

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59 Pro Val Val Ser Pro Ser Met Phe Arg Glu Ile Met Asn Asp Ile Pro
60      260      265      270
61 Ile Arg Leu Ser Arg Ile Lys Phe Arg Glu Glu Ala Lys Arg Leu Leu
62      275      280      285
63 Phe Lys Tyr Ala Glu Ala Ala Arg Arg Leu Ile Glu Ser Arg Ser Ala
64      290      295      300
65 Ser Pro Asp Ser Arg Lys Val Val Lys Trp Asn Val Glu Asp Thr Phe
66 305      310      315      320
67 Ser Trp Leu Arg Lys Asp His Ser Ala Ser Lys Glu Asp Tyr Met Asp
68      325      330      335
69 Arg Leu Glu His Leu Arg Arg Gln Cys Gly Pro His Val Ser Ala Ala
70      340      345      350
71 Ala Lys Asp Ser Val Glu Gly Ile Cys Ser Lys Ile Tyr His Ile Ser
72      355      360      365
73 Leu Glu Tyr Val Lys Arg Ile Arg Glu Lys His Leu Ala Ile Leu Lys
74      370      375      380
75 Glu Asn Asn Ile Ser Glu Glu Val Glu Ala Pro Glu Val Glu Pro Arg
76 385      390      395      400
77 Leu Val Tyr Cys Tyr Pro Val Arg Leu Ala Val Ser Ala Pro Pro Met
78      405      410      415
79 Pro Ser Val Glu Met His Met Glu Asn Asn Val Val Cys Ile Arg Tyr
80      420      425      430
81 Lys Gly Glu Met Val Lys Val Ser Arg Asn Tyr Phe Ser Lys Leu Trp
82      435      440      445
83 Leu Leu Tyr Arg Tyr Ser Cys Ile Asp Asp Ser Ala Phe Glu Arg Phe
84      450      455      460
85 Leu Pro Arg Val Trp Cys Leu Leu Arg Arg Tyr Gln Met Met Phe Gly
86 465      470      475      480
87 Val Gly Leu Tyr Glu Gly Thr Gly Leu Gln Gly Ser Leu Pro Val His
88      485      490      495
89 Val Phe Glu Ala Leu His Arg Leu Phe Gly Val Ser Phe Glu Cys Phe
90      500      505      510
91 Ala Ser Pro Leu Asn Cys Tyr Phe Arg Gln Tyr Cys Ser Ala Phe Pro
92      515      520      525
93 Asp Thr Asp Gly Tyr Phe Gly Ser Arg Gly Pro Cys Leu Asp Phe Ala
94      530      535      540
95 Pro Leu Ser Gly Ser Phe Glu Ala Asn Pro Pro Phe Cys Glu Glu Leu
96 545      550      555      560
97 Met Asp Ala Met Val Ser His Phe Glu Arg Leu Leu Glu Ser Ser Pro
98      565      570      575
99 Glu Pro Leu Ser Phe Ile Val Phe Ile Pro Glu Trp Arg Glu Pro Pro
100      580      585      590
101 Thr Pro Ala Leu Thr Arg Met Glu Gln Ser Arg Phe Lys Arg His Gln
102      595      600      605
103 Leu Ile Leu Pro Ala Phe Glu His Glu Tyr Arg Ser Gly Ser Gln His
104      610      615      620
105 Ile Cys Lys Lys Glu Glu Met His Tyr Lys Ala Val His Asn Thr Ala
106 625      630      635      640
107 Val Leu Phe Leu Gln Asn Asp Pro Gly Phe Ala Lys Trp Ala Pro Thr

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```

108          645          650          655
109 Pro Glu Arg Leu Gln Glu Leu Ser Ala Ala Tyr Arg Gln Ser Gly Arg
110          660          665          670
111 Ser His Ser Ser Gly Ser Ser Ser Ser Ser Ser Glu Ala Lys Asp
112          675          680          685
113 Arg Asp Ser Gly Arg Glu Gln Gly Pro Ser Arg Glu Pro His Pro Thr
114          690          695          700
117 <210> SEQ ID NO: 2
118 <211> LENGTH: 2112
119 <212> TYPE: DNA
120 <213> ORGANISM: Homo sapiens
122 <400> SEQUENCE: 2
123 atggccaatg agaatcacgg cagcccccgg gaggaagcgt ccctgctgag tcaactcccca 60
124 ggtacctcca atcagagcca gccctgttct ccaaagccaa tccgcctggt tcaggacctc 120
125 ccagaggagc tgggtgcatgc aggtctgggag aagtgtctgga gccggaggga gaatcgtccc 180
126 tactacttca accgattcac caaccagtcg ctgtggggaga tgcccgtgct ggggcagcac 240
127 gatgtgattt cggacccttt ggggctgaat gcgacccac tgccccaaga ctcaagcttg 300
128 gtggaaactc ccccggtgga gaacaagccc agaaagcggc agctctcgga agagcagcca 360
129 agcggcaatg gtgtgaagaa gcccaagatt gaaatcccag tgacacccac aggccagtcg 420
130 gtgcccagct cccccagtat ccaggaacc ccaacgtgga agatgtggg tacgtcccct 480
131 gaagataaac agcaggcagc tctcctacga cccactgagg tctactgga cctggacatc 540
132 cagaccaatg ctgtcatcaa gcaccggggg ccttcagagg tgctgcccc gcacccgaa 600
133 gtggaactgc tccgtcttca gctcatcctg aaagcttcggc agcactatcg ggagctgtgc 660
134 cagcagcgag agggcattga gcctccacgg gactctttca accgctggat gctggagcgc 720
135 aaggtggtag acaaaggatc tgacccctgc ttgccagca actgtgaacc agtcgtgtca 780
136 ccttccatgt ttogtgaat catgaacgac attcctatca ggttatcccg aatcaagttc 840
137 cgggaggaag ccaagcgct gctctttaa tatgcggagg ccgccaggcg gctcatcgag 900
138 tccaggagtg catcccctga cagtaggaag gtggtcaa atggaatgtgga agacaccttt 960
139 agctggcttc ggaaggacca ctcagcctcc aaggaggact acatggatcg cctggagcat 1020
140 ctgcggaggc agtgtggccc ccacgtctcg gccgcagcca aggactccgt ggaaggcatc 1080
141 tgcagtaaga tctaccacat ctccctggag tacgtcaaac ggatccgaga gaagcacctt 1140
142 gccatcctca aggaaaacaa catctcagag gaggtggagg cccctgaggt ggagccccgc 1200
143 ctagtgtact gctacccagt ccggtctggt gtgtctgcac cgcctatgcc cagcgtggag 1260
144 atgcacatgg agaacaacgt ggtctgcac cggtataagg gagagatggt caaggtcagc 1320
145 cgcaactact tcagcaagct gtggctcctt taccgtaca gctgcattga tgactctgcc 1380
146 tttagagagg tctgccccg ggtctggtgt cttctccgac ggtaccagat gatgttcggc 1440
147 gtgggcctct acgaggggac tggcctgcag ggatcgctgc ctgtgcatgt ctttgaggcc 1500
148 ctccaccgac tctttggcgt cagcttcgag tgcttcgcct caccctcaa ctgctacttc 1560
149 cgccagtact gttctgcctt ccccgacaca gacggctact ttggtcccg cgggcctgc 1620
150 ctagactttg ctccactgag tggttcattt gaggccaacc ctccctcttg cgaggagctc 1680
151 atggatgcca tgggtcttca ctttgagaga ctgcttgaga gctcacgga gccctgtcc 1740
152 ttcacgtgtg tcatccctga gtggcgggaa cccccaacac cagcgtcac ccgcatggag 1800
153 cagagccgct tcaaacgcca ccagttgatc ctgctgcct ttgagcatga gtaccgcagt 1860
154 ggctcccagc acatctgcaa gaaggaggaa atgcactaca aggcgtcca caacacggct 1920
155 gtgctcttcc tacagaacga cctggcttt gccaaagtgg cgcgcagcc tgaacggctg 1980
156 caggagctga gtgctgccta ccggcagtc ggcgcagcc acagctctgg ttcttctca 2040
157 tctctctct cggaggccaa ggaccgggac tcgggcccgtg agcagggtcc tagccgcgag 2100
158 cctcacccca ct 2112
161 <210> SEQ ID NO: 3

```

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162 <211> LENGTH: 2669
163 <212> TYPE: DNA
164 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <221> NAME/KEY: CDS
168 <222> LOCATION: (292)..(2406)
170 <400> SEQUENCE: 3
171 acacaagatg gcggcagcgg cgctggggag ggcgaggcgg aggcggcaaa acgggcggtc 60
172 gagcagaacg tgtagccgcg tccctccag tccgctccgg gcagctgctg atgcaaggaa 120
173 tccctgggc tccgtccac tccactgctg accagcccat tcgcctgtgc tgagtcttcc 180
174 tgcaggcctt tccttgctc tgtgggaccc tgtgggggtc catccggctg gagaagaaaa 240
175 gcctctcatg ctaacgttgc agacccaga gggctcctgtg tgggtgtgga g atg gcc 297
176                                     Met Ala
177                                     1
178 aat gag aat cac ggc agc ccc cgg gag gaa gcg tcc ctg ctg agt cac 345
179 Asn Glu Asn His Gly Ser Pro Arg Glu Glu Ala Ser Leu Leu Ser His
180          5          10          15
181 tcc cca ggt acc tcc aat cag agc cag ccc tgt tct cca aag cca atc 393
182 Ser Pro Gly Thr Ser Asn Gln Ser Gln Pro Cys Ser Pro Lys Pro Ile
183      20          25          30
184 cgc ctg gtt cag gac ctc cca gag gag ctg gtg cat gca ggc tgg gag 441
185 Arg Leu Val Gln Asp Leu Pro Glu Glu Leu Val His Ala Gly Trp Glu
186  35          40          45          50
187 aag tgc tgg agc cgg agg gag aat cgt ccc tac tac ttc aac cga ttc 489
188 Lys Cys Trp Ser Arg Glu Asn Arg Pro Tyr Tyr Phe Asn Arg Phe
189          55          60          65
190 acc aac cag tcc ctg tgg gag atg ccc gtg ctg ggg cag cac gat gtg 537
191 Thr Asn Gln Ser Leu Trp Glu Met Pro Val Leu Gly Gln His Asp Val
192          70          75          80
193 att tcg gac cct ttg ggg ctg aat gcg acc cca ctg ccc caa gac tca 585
194 Ile Ser Asp Pro Leu Gly Leu Asn Ala Thr Pro Leu Pro Gln Asp Ser
195      85          90          95
196 agc ttg gtg gaa act ccc ccg gct gag aac aag ccc aga aag cgg cag 633
197 Ser Leu Val Glu Thr Pro Pro Ala Glu Asn Lys Pro Arg Lys Arg Gln
198      100          105          110
199 ctc tcg gaa gag cag cca agc ggc aat ggt gtg aag aag ccc aag att 681
200 Leu Ser Glu Glu Gln Pro Ser Gly Asn Gly Val Lys Lys Pro Lys Ile
201 115          120          125          130
202 gaa atc cca gtg aca ccc aca ggc cag tcg gtg ccc agc tcc ccc agt 729
203 Glu Ile Pro Val Thr Pro Thr Gly Gln Ser Val Pro Ser Ser Pro Ser
204          135          140          145
205 atc cca gga acc cca acg ctg aag atg tgg ggt acg tcc cct gaa gat 777
206 Ile Pro Gly Thr Pro Thr Leu Lys Met Trp Gly Thr Ser Pro Glu Asp
207          150          155          160
208 aaa cag cag gca gct ctc cta cga ccc act gag gtc tac tgg gac ctg 825
209 Lys Gln Gln Ala Ala Leu Leu Arg Pro Thr Glu Val Tyr Trp Asp Leu
210      165          170          175
211 gac atc cag acc aat gct gtc atc aag cac cgg ggg cct tca gag gtg 873
212 Asp Ile Gln Thr Asn Ala Val Ile Lys His Arg Gly Pro Ser Glu Val

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213	180					185					190						
214	ctg	ccc	cgg	cat	ccc	gaa	gtg	gaa	ctg	ctc	cgc	tct	cag	ctc	atc	ctg	921
215	Leu	Pro	Pro	His	Pro	Glu	Val	Glu	Leu	Leu	Arg	Ser	Gln	Leu	Ile	Leu	
216	195	200					205					210					
217	aag	ctt	cgg	cag	cac	tat	cgg	gag	ctg	tgc	cag	cag	cga	gag	ggc	att	969
218	Lys	Leu	Arg	Gln	His	Tyr	Arg	Glu	Leu	Cys	Gln	Gln	Arg	Glu	Gly	Ile	
219	215					220					225						
220	gag	cct	cca	cgg	gag	tct	ttc	aac	cgc	tgg	atg	ctg	gag	cgc	aag	gtg	1017
221	Glu	Pro	Pro	Arg	Glu	Ser	Phe	Asn	Arg	Trp	Met	Leu	Glu	Arg	Lys	Val	
222	230					235					240						
223	gta	gac	aaa	gga	tct	gac	ccc	ctg	ttg	ccc	agc	aac	tgt	gaa	cca	gtc	1065
224	Val	Asp	Lys	Gly	Ser	Asp	Pro	Leu	Leu	Pro	Ser	Asn	Cys	Glu	Pro	Val	
225	245					250					255						
226	gtg	tca	cct	tcc	atg	ttt	cgt	gaa	atc	atg	aac	gac	att	cct	atc	agg	1113
227	Val	Ser	Pro	Ser	Met	Phe	Arg	Glu	Ile	Met	Asn	Asp	Ile	Pro	Ile	Arg	
228	260					265					270						
229	tta	tcc	cga	atc	aag	ttc	cgg	gag	gaa	gcc	aag	cgc	ctg	ctc	ttt	aaa	1161
230	Leu	Ser	Arg	Ile	Lys	Phe	Arg	Glu	Glu	Ala	Lys	Arg	Leu	Leu	Phe	Lys	
231	275	280					285					290					
232	tat	gcg	gag	gcc	gcc	agg	cgg	ctc	atc	gag	tcc	agg	agt	gca	tcc	cct	1209
233	Tyr	Ala	Glu	Ala	Ala	Arg	Arg	Leu	Ile	Glu	Ser	Arg	Ser	Ala	Ser	Pro	
234	295					300					305						
235	gac	agt	agg	aag	gtg	gtc	aaa	tgg	aat	gtg	gaa	gac	acc	ttt	agc	tgg	1257
236	Asp	Ser	Arg	Lys	Val	Val	Lys	Trp	Asn	Val	Glu	Asp	Thr	Phe	Ser	Trp	
237	310					315					320						
238	ctt	cgg	aag	gac	cac	tca	gcc	tcc	aag	gag	gac	tac	atg	gat	cgc	ctg	1305
239	Leu	Arg	Lys	Asp	His	Ser	Ala	Ser	Lys	Glu	Asp	Tyr	Met	Asp	Arg	Leu	
240	325					330					335						
241	gag	cat	ctg	cgg	agg	cag	tgt	ggc	ccc	cac	gtc	tcg	gcc	gca	gcc	aag	1353
242	Glu	His	Leu	Arg	Arg	Gln	Cys	Gly	Pro	His	Val	Ser	Ala	Ala	Ala	Lys	
243	340					345					350						
244	gac	tcc	gtg	gaa	ggc	atc	tgc	agt	aag	atc	tac	cac	atc	tcc	ctg	gag	1401
245	Asp	Ser	Val	Glu	Gly	Ile	Cys	Ser	Lys	Ile	Tyr	His	Ile	Ser	Leu	Glu	
246	355	360					365					370					
247	tac	gtc	aaa	cgg	atc	cga	gag	aag	cac	ctt	gcc	atc	ctc	aag	gaa	aac	1449
248	Tyr	Val	Lys	Arg	Ile	Arg	Glu	Lys	His	Leu	Ala	Ile	Leu	Lys	Glu	Asn	
249	375					380					385						
250	aac	atc	tca	gag	gag	gtg	gag	gcc	cct	gag	gtg	gag	ccc	cgc	cta	gtg	1497
251	Asn	Ile	Ser	Glu	Glu	Val	Glu	Ala	Pro	Glu	Val	Glu	Pro	Arg	Leu	Val	
252	390					395					400						
253	tac	tgc	tac	cca	gtc	cgg	ctg	gct	gtg	tct	gca	ccg	ccc	atg	ccc	agc	1545
254	Tyr	Cys	Tyr	Pro	Val	Arg	Leu	Ala	Val	Ser	Ala	Pro	Pro	Met	Pro	Ser	
255	405																

VERIFICATION SUMMARY

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DATE: 08/01/2001

TIME: 18:17:06

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\08012001\I889722.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date